BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work: :-Annual maintenance of street lights Package - D 1 In Kammagondanahalli surrounding area ward no 12

Job Code No:-012-22-000004

Agreement No:EE/Ele/DZ/TEND/AGR/000009/2022-23 Date:31.03.2022

Ref no and Date of commencement of work Order :-:-EE/(Elec)/DZ/TEND/WO/000001/2022-23 Date:04-04-2022

Estimate Amount:Rs. 2950000.00

Administartive Sanction No:EE/(Elec)/DZ/TEND/AS/10/2021-22 Date:21-03-2022

Technical Sanction No:EE/(Elec)/DZ/TEND/TS/127/2021-22 Date:05-01-2022

Name of Contractror of nature of Agency:- CHIKKANNA G (CHETHAN ELECTRICALS)

Measurement Book No: 3402 /18-19 Page No: Date:

Bill NO :- RA Bill Bill Period :- 1/12/2022 to 31/12/2022

Sl. No.	Description	Unit	Period 1Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	20	685.45	57.12	1142.40
	No of complaints attended for the period of 01.12.2022 to 31.12.2022						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 125W HPMV Park lighting system.	Nos	1	22	756.29	63.02	1386.44
	No of complaints attended for the period of 01.12.2022 to 31.12.2022 — 10 Nos						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	1780	1019.41	84.95	151211

EE (Ele) DZ

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Dasarahalli

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	No of complaints attended for the period of 01 12 2022 to 31 12 2022	216 no						
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system	Each	1	80	1118 08	93 17	7453 60	
	No of complaints attended for the period of 01 12 2022 to 31 12 2022	56 no						
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards, and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each	1	4	880 01	73 33	293 32	
	No of complaints attended for the period of 01 12 2022 to 31 12 2022							
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards, and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	1	350	1147 43	95 61	33463 50	
	No of complaints attended for the period of 01 12 2022 to 31 12 2022	71 no						
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards, and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system	Each	1	90	1377 66	114 80	10332 00	

	No of complaints attended for the period of 01 12 2022 to 31 12 2022	32 no						
8	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards, and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 110/120 watt LED street light lighting system	Nos	1	0	1575 5	131 29	0	
	No of complaints attended for the period of 01 12 2022 to 31 12 2022							
9	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards, and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system	Nos	1	0	1871 51	155 96	0	
	No of complaints attended for the period of 01 12 2022 to 31 12 2022							
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx150mmx214mm	Each	0	0	5127	5127 00	0	
11	Supply and Fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc, complete with AC-3 Rating and as per IS 13947 100 to 125Amps	Each	0	0	7200	7200 00	0	
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 50-63 Amps SP	Each	0	0	723	723 00	0	
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers	Each	0	0	4030	4030 00	0	

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Dasarahalli Zone, Bangalore

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14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 6 sqmm	Mtr	0	0	70	70.00	0
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	0	0	7	7.00	0
	TOTAL						205282.26
	Add GST 12 % on item no 10 to 15						0.00
	TOTAL Rs						205282.26
	Fine imposed for non burning of street lights For the period of 01/12/2022 to 31/12/2022						3500.00
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						4105.65
	GRAND TOTAL						197676.61

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CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2 This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

3. This MB (1) to (15) are checked and correct

Junior Engineer(Elec)
Dasarahalli Division

Asst.Exe.Engineer(Elec)
Dasrahalli Division

Executive Engineer (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

Executive Engineer (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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